

The figure displays four plots arranged in a 2x2 grid, comparing the performance of Rejection Sampling and Likelihood Weighting across different sample sizes (200, 400, 600, 800, 1000). The plots show the Average Probability and Variance for both methods.

Top Row: Rejection Sampling

- Top Left: Average Probability for Rejection Sampling** (Y-axis: 0.15 to 0.25). The Average Rejection Sampling Probability for Query 1 (blue dots) is consistently higher than for Query 2 (red dots). The Average Likelihood Weighting Probability for Query 1 (blue dots) is consistently higher than for Query 2 (red dots).
- Top Right: Variance for Rejection Sampling** (Y-axis: 0 to 0.001). The Variance Rejection Sampling Probability for Query 1 (blue dots) is consistently higher than for Query 2 (red dots). The Variance Likelihood Weighting Probability for Query 1 (blue dots) is consistently higher than for Query 2 (red dots).

Bottom Row: Likelihood Weighting

- Bottom Left: Average Probability for Likelihood Weighting** (Y-axis: 0 to 0.16). The Average Likelihood Weighting Probability for Query 1 (blue dots) is consistently higher than for Query 2 (red dots). The Average Rejection Sampling Probability for Query 1 (blue dots) is consistently higher than for Query 2 (red dots).
- Bottom Right: Variance for Likelihood Weighting** (Y-axis: 0 to 0.0005). The Variance Likelihood Weighting Probability for Query 1 (blue dots) is consistently higher than for Query 2 (red dots). The Variance Rejection Sampling Probability for Query 1 (blue dots) is consistently higher than for Query 2 (red dots).